

### MAPLE Practice Quiz 9

Which matrices (1-7) in worksheet 13 are diagonalizable? For each one that is diagonalizable find the corresponding  $V$  and compute

$$D = V^{-1} M V.$$

Then compute  $D^{10}$  and  $M^{10}$  and  $V D^{10} V^{-1}$ , and the similar exponential calculation.